WHAT IS CLAIMED IS:

1. An electro-optical device, comprising:

a substrate;

data lines;

scanning lines extending in a direction crossing the data lines;

switching elements to which a scanning signal is supplied through the scanning lines;

pixel electrodes to which an image signal is supplied through the data lines and the switching elements; and

an alignment film formed on the pixel electrodes;

the substrate having an image display area defined as an area to form the pixel electrodes and the switching elements, and a peripheral area defining the periphery of the image display area, the alignment film being formed in the image display area and the peripheral area, and convex portions being formed in at least a part of the peripheral area.

2. The electro-optical device according to Claim 1, further comprising a driving circuit on the substrate,

the convex portions being provided in an area between the image display area and the driving circuit.

3. The electro-optical device according to Claim 1, further including a dummy pixel forming area formed outside the image display area, the convex portions being formed outside the dummy pixel forming area.

4. The electro-optical device according to Claim 1, projected portions caused by the height of at least one of the data lines and the scanning lines being formed in the alignment film, and

the height of the convex portions being equal to the height of the projected portions.

5. The electro-optical device according to Claim 1, projected portions caused by the height of at least one of the data lines and the scanning lines being formed in the alignment film, and

the convex portions being formed along a direction in which the scanning lines or the data lines extend.

6. The electro-optical device according to Claim 5, the convex portions being formed parallel to the direction in which the scanning lines or the data lines extend.

7. The electro-optical device according to Claim 5, the convex portions including a plurality of linear convex portions which are formed along the direction in which the scanning lines or the data lines extend.

8. The electro-optical device according to Claim 7, the pitch between the linear convex portions being equal to the pitch between the projected portions.

9. The electro-optical device according to Claim 7, the pitch between the linear convex portions being gradually increased or decreased with increasing distance from the image display area, from a place close to the image display area to a place apart from the image display area.

10. The electro-optical device according to Claim 1, the convex portions being formed along the peripheral portion of the image display area opposite to the direction of a rubbing process performed on the alignment film.

11. The electro-optical device according to Claim 1, the substrate having a rectangular outer configuration in plan view, and the image display area having a shape similar to the outer configuration of the substrate, and

the convex portions being formed along one side or two adjacent sides of the image display area.

12. The electro-optical device according to Claim 1, the convex portions being caused by the height of a pattern formed of the same film as the data lines, the scanning lines, or the switching elements.

13. An electronic apparatus, comprising:

the electro-optical device according to Claim 1.